

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

1. (Currently Amended) A sample receiving device for cryoconservation of at least one sample, comprising:

a bundle from a plurality of hose-shaped flexible sample chambers, ~~and~~  
a holding device, with which the bundle of the sample chambers is joined,  
wherein the holding device has a plurality of holding frames with frame parts, between which the sample chambers are positioned in a self-supporting arrangement, where the holding frames are arranged in a longitudinal direction of the bundle; and

wherein at least one data storage device is provided along the longitudinal direction of the bundle of sample chambers between at least two holding frames or at the end of the bundle.

2. (Previously Presented) The sample receiving device according to claim 1, wherein the holding frames form plane level carriers, on which the sample chambers are arranged side by side.

3. (Previously Presented) The sample receiving device according to claim 1, wherein the holding frames establish a rectangular form.

4. (Previously Presented) The sample receiving device according to claim 1, wherein distances are formed between the holding frames.

5. (Previously Presented) The sample receiving device according to claim 4, wherein the distances are larger than 1-times a thickness of the holding frames.

6. (Previously Presented) The sample receiving device according to claim 1, wherein the holding frames are arranged flush to one another and adjacent in the longitudinal direction of the bundle.

7. (Previously Presented) The sample receiving device according to claim 4, wherein the holding frames form a stack.

8. (Previously Presented) The sample receiving device according to claim 7, wherein the

holding frames are held together in the stack by a clamping device.

9. (Previously Presented) The sample receiving device according to claim 1, wherein at least one of the holding frames has an integrated data storage unit.

10. (Previously Presented) The sample receiving device according to claim 9, wherein all holding frames each have an integrated data storage unit.

11. (Canceled).

12. (Previously Presented) The sample receiving device according to claim 1, wherein the sample chambers have a rectangular cross-section.

13. (Previously Presented) The sample receiving device according to claim 12, wherein all sample chambers are secured to the holding frames in such a way that, in each case, a plane level lateral surface of the sample chambers is aligned parallel to a plane level expansion of the holding frames.

14. (Previously Presented) The sample receiving device according to claim 1, wherein the sample chambers have a cross-section which changes along a length of the sample chambers.

15. (Previously Presented) The sample receiving device according to claim 14, wherein the cross-section of the sample chambers periodically changes.

16. (Previously Presented) The sample receiving device according to claim 1, wherein the sample chambers are subdivided along their length by at least one chamber wall in at least two partial chambers.

17. (Previously Presented) The sample receiving device according to claim 16, wherein the chamber wall has pores or is a dialysis membrane.

18. (Previously Presented) A process for manufacturing a sample receiving device according to claim 1, comprising the steps:

provision or forming of the sample chambers;

forming the bundle of the sample chambers; and

attachment of the holding frames in the longitudinal direction of the bundle.

19. (Previously Presented) The process according to claim 18, wherein the provision of the sample chambers comprises an uncoiling of delivery rollers.

20. (Previously Presented) The process according to claim 19, wherein the forming of the

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bundle of the sample chambers comprises a simultaneous drawing of the sample chambers from the delivery rollers.

21. (Previously Presented) The process according to claim 18, wherein the forming of the sample chambers comprises a parallel extrusion of hoses.

22. (Previously Presented) The process according to claim 18, wherein the holding frames are attached to the sample chambers by an injection molding process or a clamping process.

23. (Canceled).